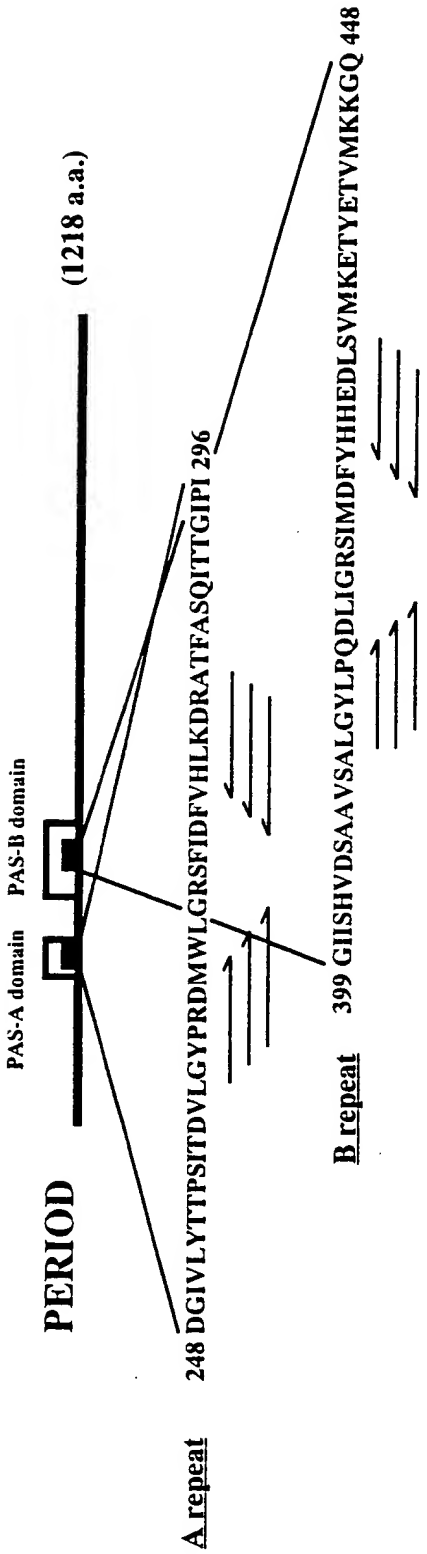
Figure 1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PAS-B domain
(1218 a.a.)
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B repeat
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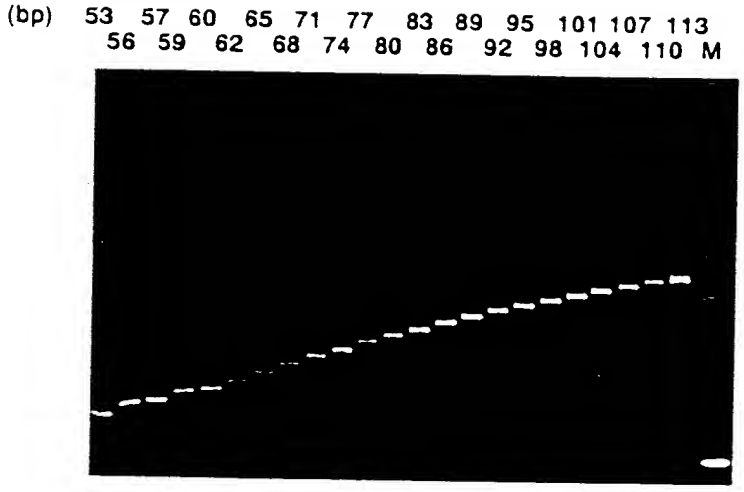
Figure 2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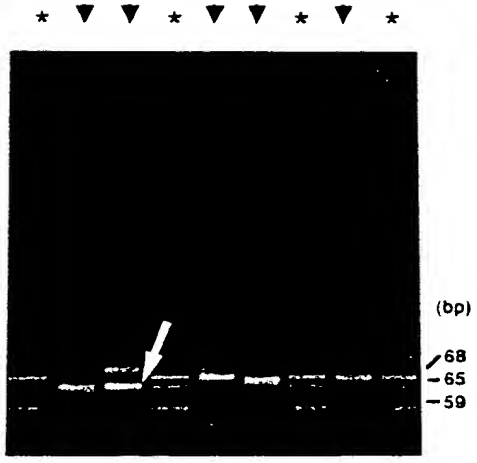
56 59 62 68 74 80 86 92 98 104 110 M

Figure 3



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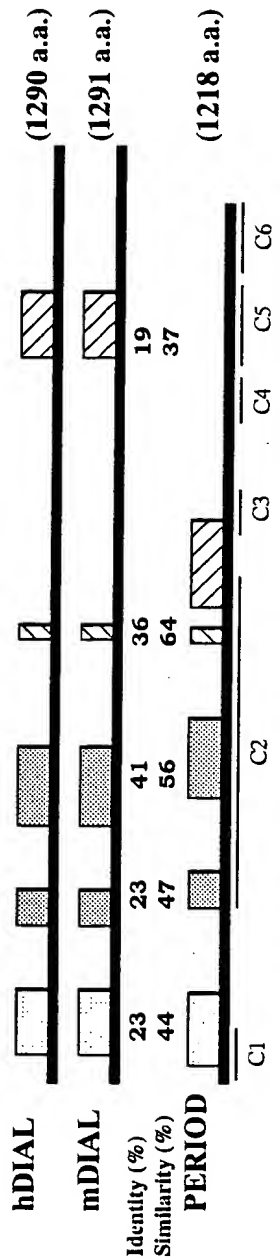

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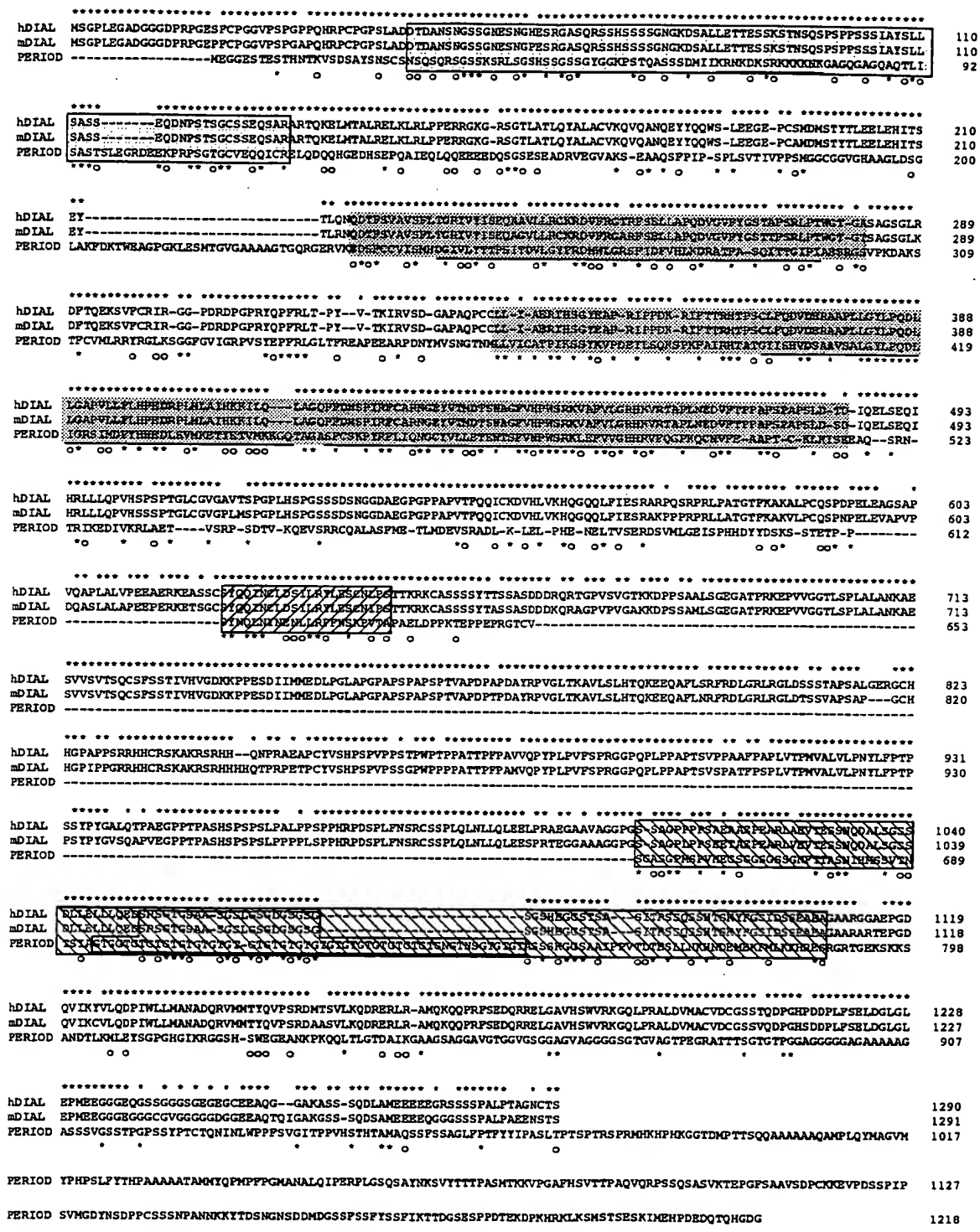
Figure 5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PERIOD ----------MEGGESTESTHNTKVSDSAYSNSCSNSQSQRSGSSKSRLSGSHSSGSSGYGGKPSTQASSSDMIKRNKDKSRKKKKNKGAGQGAGQAQTLI 92
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Figure 6

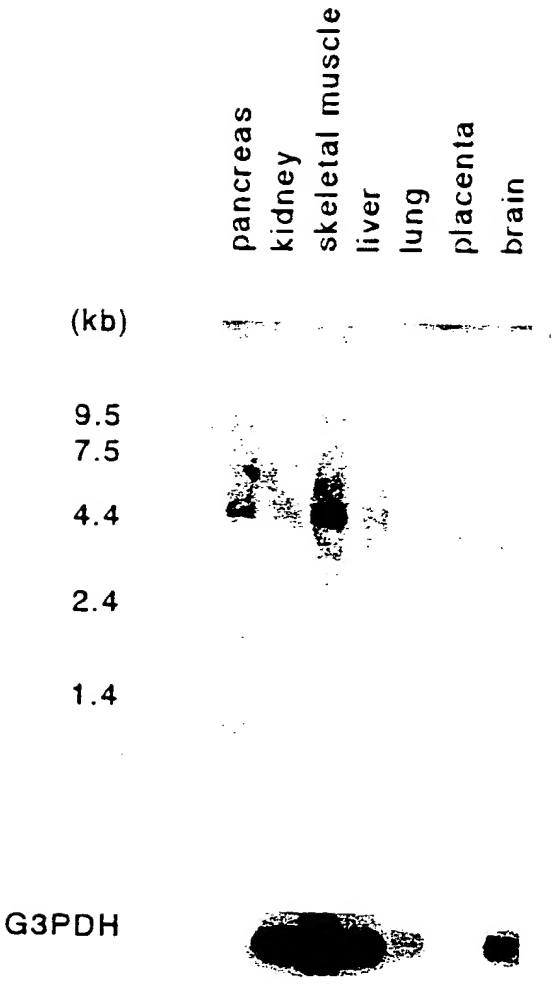
pancreas
kidney
skeletal muscle
liver
lung
placenta
brain
(kb)
9.5
7.5
4.4
2.4
1.4
G3PDH

Figure 7

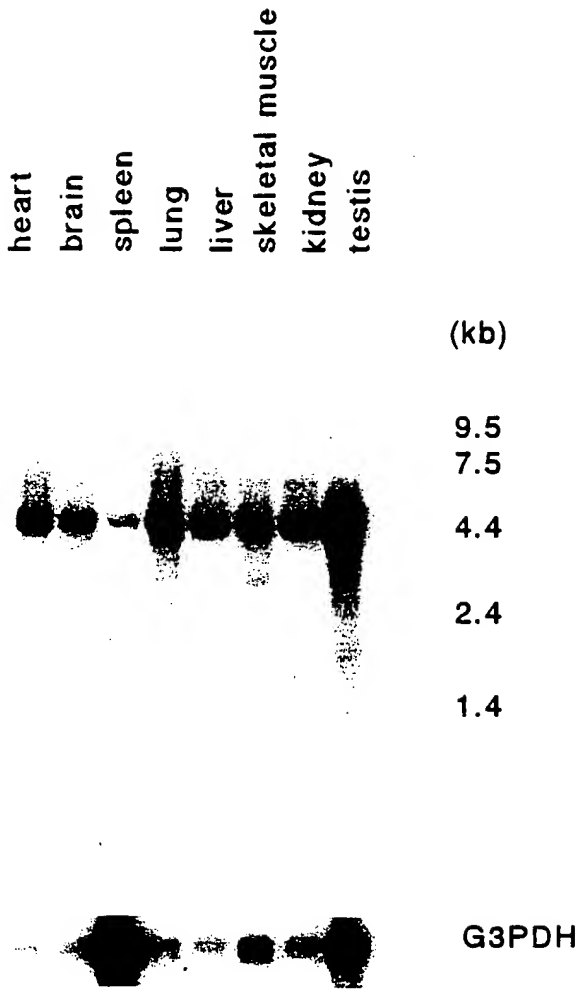

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Figure 8

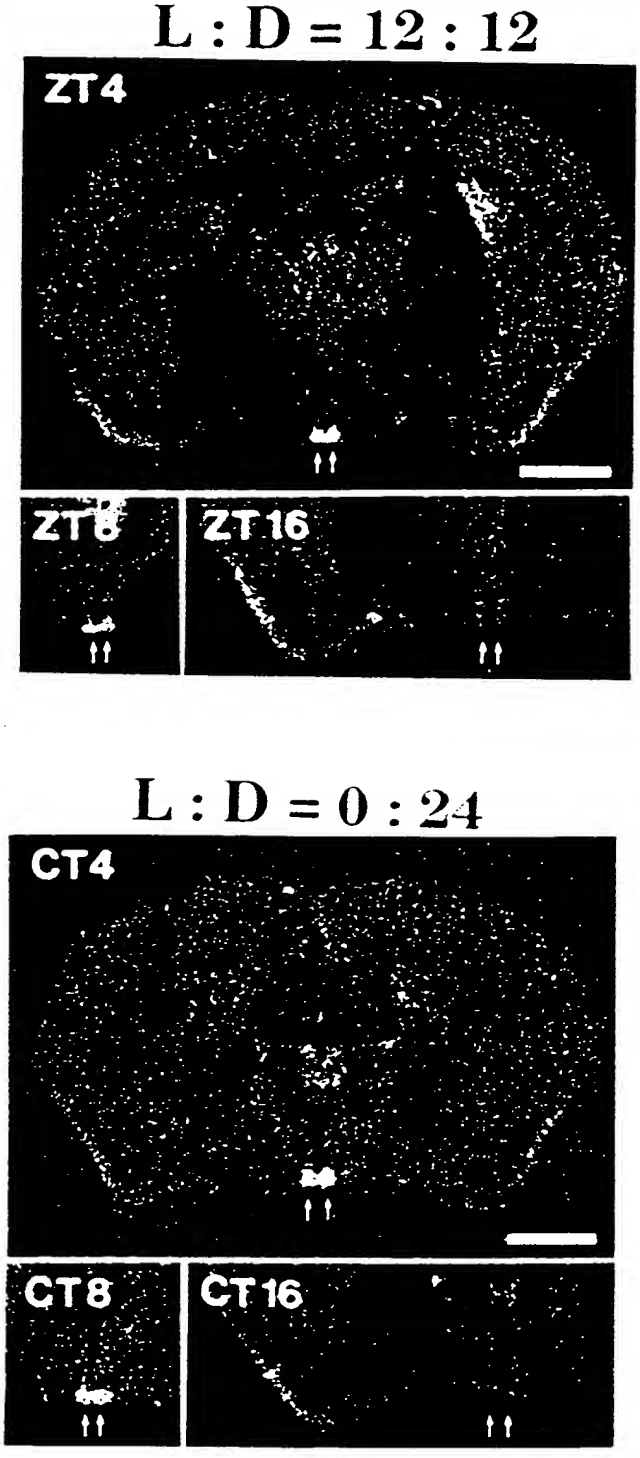
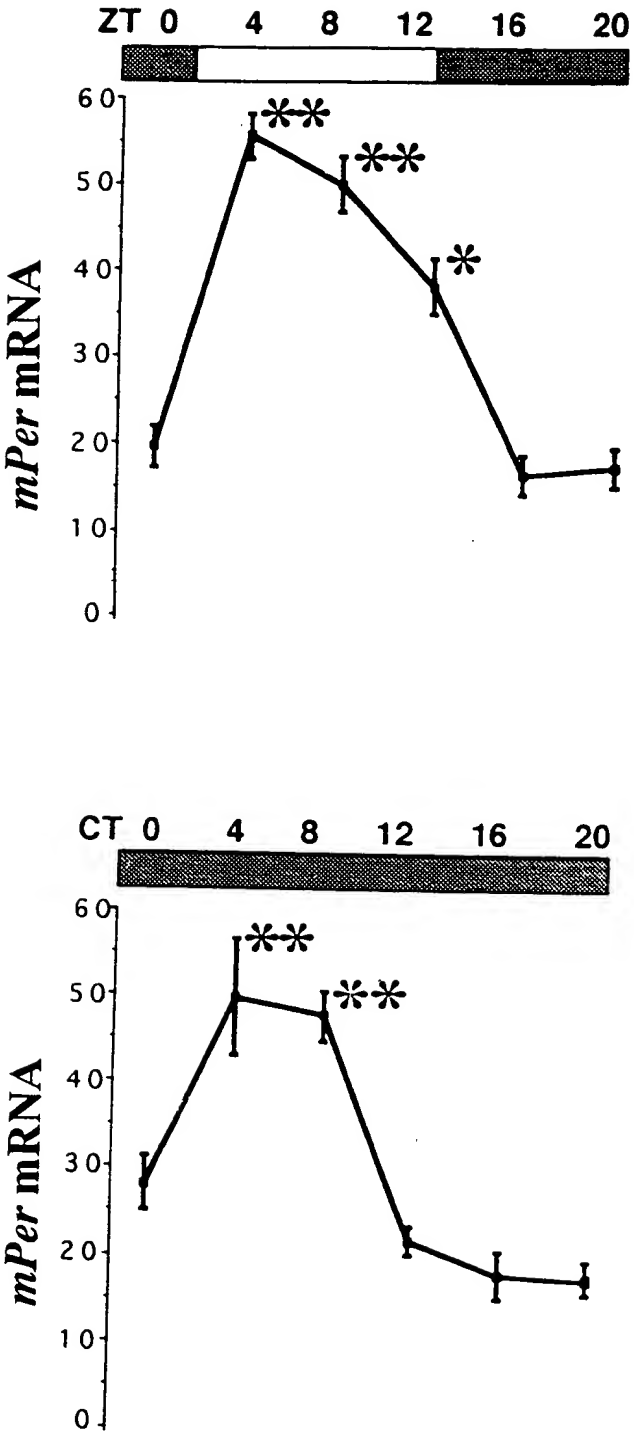


Figure 9


ZT 0
4
8
12
16
20
60
50
40
30
20
10
0
mPer mRNA
**
**
*
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20
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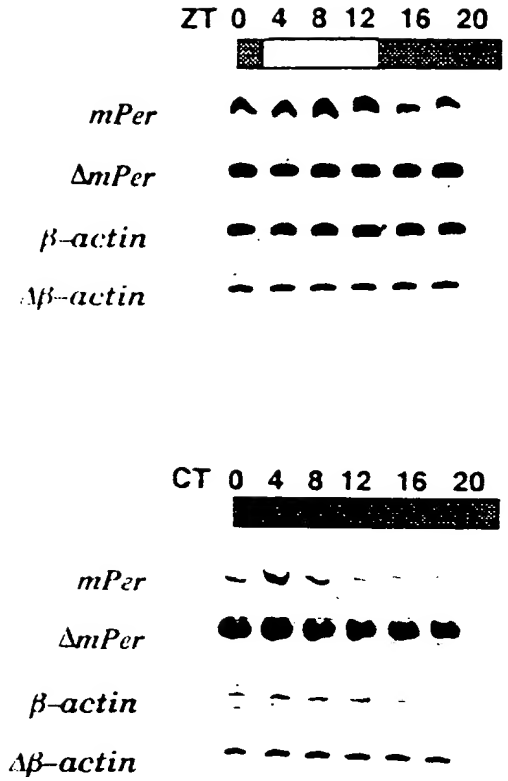
30
20
10
0
mPer mRNA
**
**

Figure 10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mPer
ΔmPer
β-actin
Δβ-actin
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mPer
ΔmPer
β-actin
Δβ-actin